

S. Ziembka

The Coefficient as a Measure of Friction,
and Methods of Measuring it, by S. Ziembka,
24 pp.

POLISH, per, Politechniki, Czestochowskiej
Zeszyty Naukowe Nauki Techniczne, No 1,
1969, pp 217-246

AIR/FTD-HC-23-956-71

Mar 72

Coloration of the Surface of Foodstuffs during
the Process of Smoking, by Zenon Ziemb.
POLISH, per, Przegrod Spowiesz, Vol 20, No 11,
1966, pp 34-39.
SCFSTI TP 67-55124/90

Sci-Birth Sci & Oceanography
Dec 67

Possible Use of Liquid Fuels for Heating
Purposes in Poland, by Mgr. Leszek
Ziembiński, 9 pp.
POLISH, per, Gas, Woda & Technika Sanitarna,
Vol XL, No 1, Jan 1960, pp. 30-32.
JPRS 35319

21

LESZEK ZIEMBINSKI

EE-Poland
Econ
May 66

300,092

Economic Cooperation Between CEMA Countries in
the Electrical Engineering Industry, by L.
Zienkowski, 8 pp.

POLISH, per, Przeglad Elektrotechniczny, No 5,
May 1967, pp. 173-175.

JPRS 41841

15

L. Zienkowski

EE-Poland
Econ
Aug 67

332,652

The Economic Side of Automation, by
D. Ziegfeld.
GERMAN, per, Bonus, Vol 102, 1965, pp 113ff.
ISRA-2262

D. Ziegfeld

351, 620

Sci
Jul 67

J. Zierep

The forces and moments acting on a drop
subjected to a shearing air stream.
GERMAN, Zeitschrift fUr Flugwissenschaften,
Vol. 3, NOTT, pp. 22-25 (Jan. 1955)
C.E. Trans. 6074b

doc 72

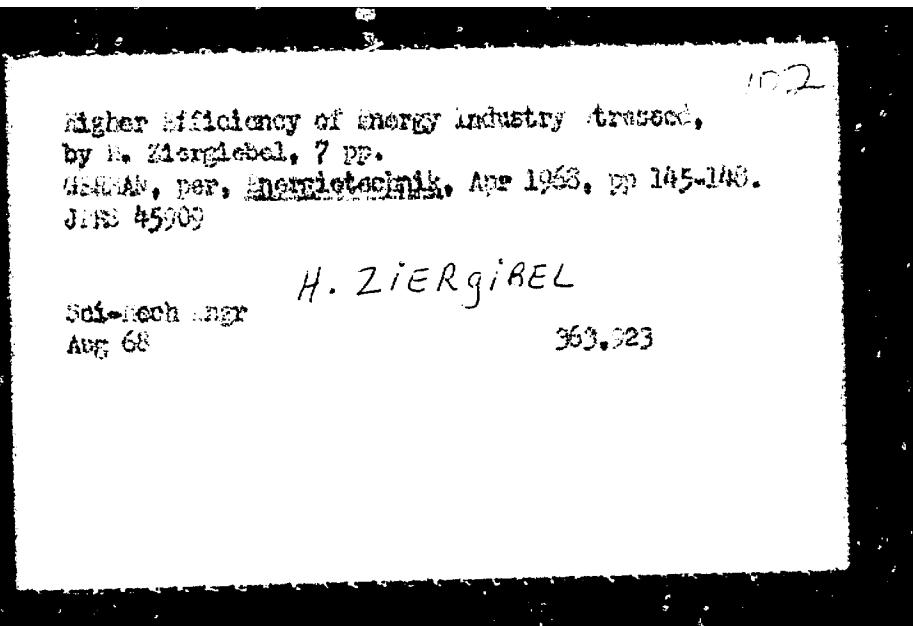
on the Influence of the Addition of Lead to
Hypersonic Flow, by J. Zierer.
ZIERER, per, Acta Mechanica, Vol 2, No 2, 1966,
pp 217-230.
NLL Ref: 5207 (1222)

1/5

J. ZIERER

Sci-Phys
Aug 68

361,694



Main Tasks of the Complex Socialist
Nationalization of Gas Supply, by Heinz
Zielgiebel, 11 pp.
GERMAN, par. Energiotechnik, No 3, Mar 1967,
pp. 96-102.
JPRS 40699

12

Heinz Zielgiebel

DR East Germany
Econ -
Jun 67

225,762

How We Can Supply Our Electric Energy
Requirements on the Basis of Present and
Future Energy Conversion Methods, by Heinz
Ziergiebel, 15 pp.
GERMAN, per, Energietechnik, 3 Mar 1966,
pp. 97-101.
JPRS 35319

13

HEINZ ZIERGIEBEL

WB-Germany
Sci-Electron
May 66

300,091

K. Biesche

Bacillary Dysentery Widespread in GDR, Other
European Countries, by L. Ziesche, 14 pp.
GERMAN, per, Zeitschrift fuer Militärmedizin,
East Berlin, May 72, pp 130-135.

JPRS 56532

Aug 72

Task and Direction of Mechanisation of Agricultural Production in the Present Stage of Social Development, by R. Zieschang, 10 pp.
GERMAN, per, Deutsche Agrartechnik, Vol. XVII,
No. 1, Jan 1967, pp. 1-4.
JPFS 39366

44

R. ZIESCHANG

EE-Germany
Sci-Agric
Mar 67

317,296

Vacuum lifting and handling for sheets, by
H. Ziesling.
GesAM, Ser. Speci., Vol 18, no 5, May 1963,
pp 273-274.
c ISI 6641

99

H. Ziesling

Sci-Bit
May 69

382,397

Behavior of the Cervical Column in Relation to the Base of the Skull and the Upper Dorsal Column Upon Impact with Single-Layer or Laminated Safety Glass Used in Automotive Front Windshields, by D. Ziffer.

GERMAN, per, Zentralblatt fur Verkehrs-Medizin, Verkehrs-Psychologie, Luft- und Raumfahrt-Medizin, Vol 13, No 4, 1967,
pp 218-239.

NTC 69-10768-06E

Sci-B&M
May 60

D. Ziffer

269 221

UFO's -- What Are They?, by F. Zigel'.
RUSSIAN, per, Smena, No 7, Feb 1967, pp 27-29.
JPRS CSO; DC 15163

I-437/67

Sci-Aerospace
May 67

326,044

F. Yu. Zigel'

The minor planets. 101 pp.
RUSSIAN, b/w, Kalyne Planety, 1969
NASA TT F 700-78

june 78

A Dialog on Mars, by N. Yu. Zigel', 11 pp.
RUSSIAN, per, Zemniye Sila, No 3, Mar 1965,
pp. 44-47
JPLS 31113

USER
Sci-Misc.
Aug 65

204,005

Sequential Decoding for a Binary Channel With
Dropouts and Insertions, by K. Sh. Zicangirov. *60*
14 pp.
RUSSIAN, per, Probl. Peredachi Inform., Vol 5,
No 2, 1969, pp 23-30.
NASA TT F-12991

V. A. Gerasimov
sci/nav, comm
aug 70

81
The Advantage of Insulated Risers in Foundries,
by R. Zivic.
GERMAN, per, Gießerei Rundschau, Vol 14,
Mar 1967, pp 26-32.
*BIBI 5978

Sci-Materials
Dec 67

R Zivic

Coordination of All Forms of Transport, by
B. Zikayev, 6 pp.
RUSSIA, per, Rechnoy Transport, Moscow,
No 9, Sept 1969, pp 8-9.
JPRS 49617

USSR
Econ
Jan 70

B. Zikayev

399,412

Need for Better Balance and Diversification
in Freight-Transportation Usage, by B.
Zilkeyev and I. Sivanev, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 13,
Mar 1966, p. 43.
JPRS 35876

USSR
Econ
Jun 66

303,076

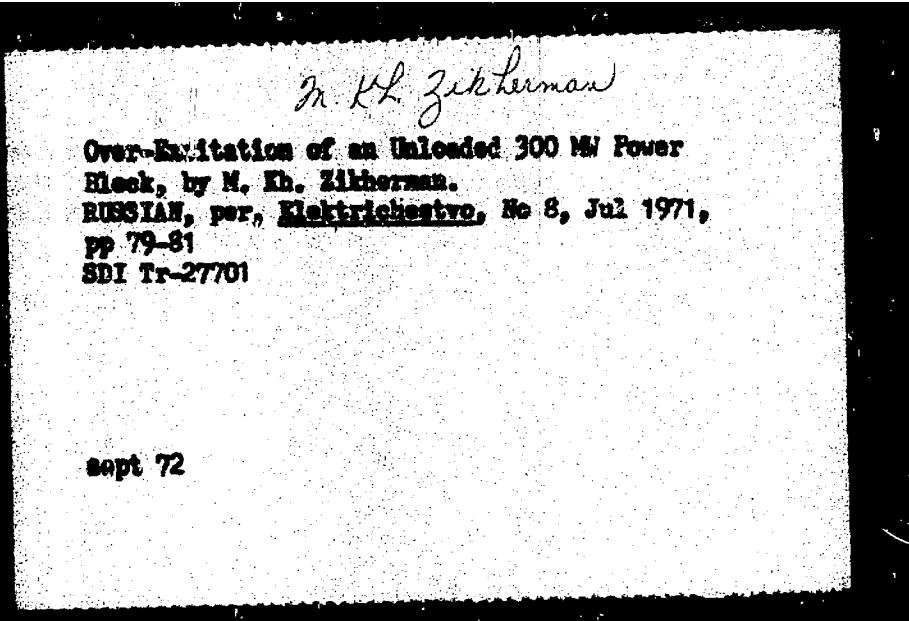
Centralization of Accounting for Railroad
Freight Transport, by B. Zilkeyev, 6 pp.
RUSSIAN, per, Ekonomscheskaya Gazeta, No 22,
Jul 1967, p. 27.
JPRS 42195

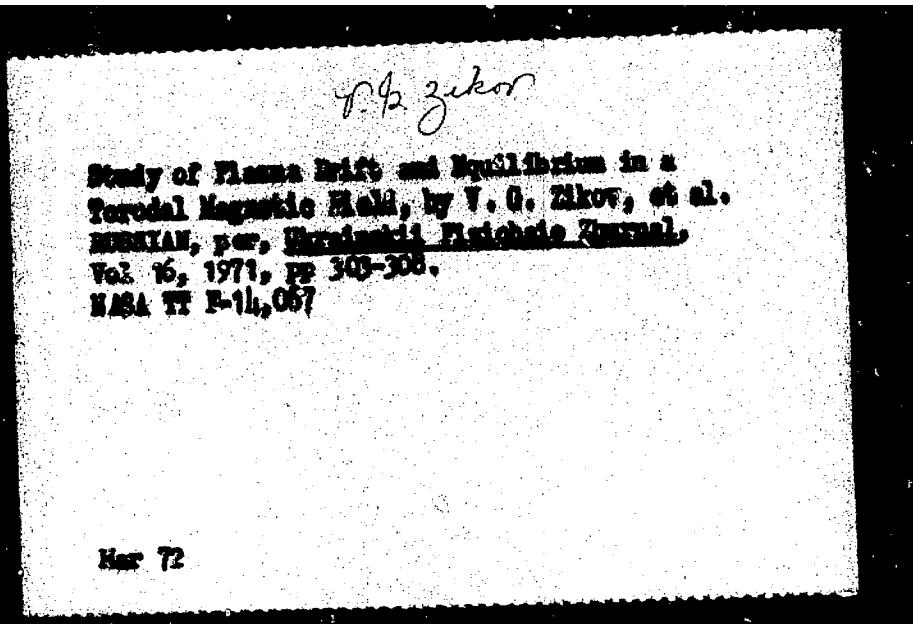
2

B. Zilkeyev

USER
Econ
Sept 67

377,873





11
Results of Commercial Fishing for North Atlantic
Blue Whiting, by S. K. Zilanov,
RUSSIAN, per, Rybnoe khoz, No 4, 1967, pp 5-6.
*Dept of Interior
Fish & Wildlife Service
BCF, Bureau of Foreign Fisheries

USSR
Econ
Jul 67

Size and Age Composition of Atlantic-herring
Herring, by Yu. I. Smirnov, V. K. Zilanov,
BSSSR, per. Brizno Abec., Vol. 42, No. 7, 1966,

10

10.2

pp. 17-19.

Dept of Interior
Bureau of Commercial Fisheries
Branch of Foreign Fisheries

Set. 9 and 10

V. K. Zilanov

Jan 68

"

343.95

53

Forecasting the Productivity of the Herring
Fishery on the Lofoten Bank, by V. V. Zil'yanov
and V. G. Genchev.
RUSSIAN, per, Rybnoe zhizn, Vol. 44, No 1, 1963,
pp 9-11.

Dept of Interior
Bureau of Commercial Fisheries
Branch of Foreign Fisheries

V. V. Zil'yanov

Sci.DK
May 63

Distribution of Poutasseu and the Prospects of
Fishing for it in the Norwegian Sea, by
V. K. Zil'yanov.
RUSSIAN, per, Rybacheskaya stroya, Vol 4, 1965,
pp 10-12.
ML Ref: 9022.15 (1225)

10c2

V. K. Zil'yanov

Sci/Rat
Feb 68

349,623

Biology of Atlantic Saury, by V. K. Zil'yanov.
MOSSEB, ser. Dinoo Muz., Vol 45, No 5, 1960,
pp. 6-9.

72

*Dept of Interior
Bureau of Commercial Fisheries
Office of Foreign Fisheries

V.K. ZIL'YANOV

Scienct.
Aug 69

69

The Biology and Fishery Prospects of the
Gadid Fish in the Northern Atlantic Ocean, by
V. K. Zil'yanov,
RUSSIAN, per, Materialy Sessiy Uchenogo Soveta
PINRO po Rezul'tatam Issled v 1964g, No 6,
1966, pp 92-97.
*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Sci-B&M
Jul 67

24

Ecology and Prospects for a Fishery for Blue
Whiting (*Micromesistius poutassou* Bleeker) in the
Northern Atlantic Ocean, by V. N. Zil'yanov.
RUSSIAN, per, Polzunov. No. I. i Proektayi Institut
Morskogo Rybnego khozyaistva i Gidrografii im.
N. N. Androvicha, No 6, 1966, pp 92-97.
Dept of Interior
Fish and Wildlife Service
SCF, Bureau of Foreign Fisheries

Sci-B and M
Nov 6?

ZIL'YANOV, V.K.

365,478

50
Use of Ultraviolet Disinfection of the Air
in Pharmacies, by D. A. Zil'ber, A. I. Golokh-
novich,
RUSSIAN, bk, Ul'trofioletovoye Izlucheniye,
1966, pp 317-321.
JPRS 41315

Sci-B&H
Jun 67

D.A. Zil'ber

327,122

Discussion of the Baergenba Proposals,
by Jacob Zilber, 26 pp.
BRAZIL, per, Zilber, No 5, May 1965,
pp. 3-11.
(PPS 3112)

Jacob Zilber

ME-MA
Pol
Aug 65

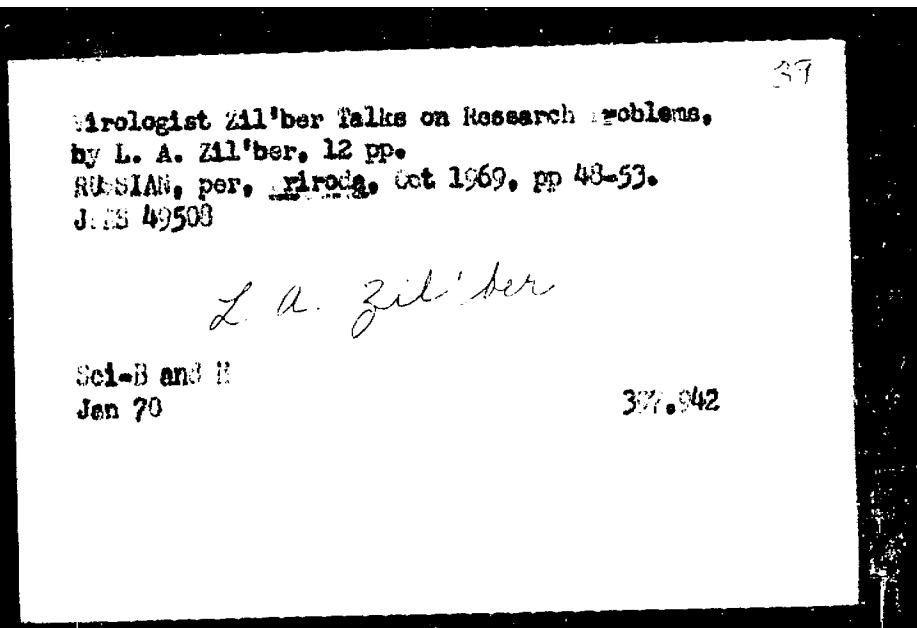
204,013

52
Research Conducted on Evolution of Virus
Theory of Tumor Origin, by L. A. Zil'ber, 18 pp.
RUSSIAN, per, Voprosy Onkologii, Vol XIII,
No 2, 1967, pp. 3-14.
JPRS 40927

L. A. ZIL'BER

USCR
Sci. 1967
May 67

225,523



Operation "Ore" - From the Memoirs of Acad. L. 37
A. Zil'ber, 19 pp.
RUSSIAN, per, Nauka i Zhizn', No. 12, Dec 1966,
pp. 55-63.
JPRS 40180

L. A. Zil'ber
USSR
Sci-EM
Apr 67

(21,04)

47

Dutch CP Seen as Israeli CP Ally, by Ye'akov
Zilber, 6 pp.
HEBREW, newspaper, Kol HaM, Tel Aviv,
1 Dec 67, pp. 2 and 3.
JERS 43,347

International
Political
Dec 67

347,837

ZILBER, YU ETAL

RU

THE EFFECT OF ANTIOXIDANT ON THE PEROXIDATION
OF BIMOLECULAR PHOSPHOLIPID MEMBR

'BIOKHEMIYA', AKADE. NAUK LATV. SSR, =c(287),
1971 PP 80-2

FSTC-HT-23-0221-73

Thermal and Mechanical Processes in the
Extraction of Minerals: Mining in Permafrost
Layers, by Yu. R. Dyad'kin, A. F. Zil'berbord.
RUSIAK, bk. Teploye i Mekhanicheskoe
Protsessy pri Razrabotke Poleznykh
Iskryaschikh Goriv Raboty v Massivne Merylykh
Porod, 1965, 267 pp.

MLR-30157

A.F. Zil'berbord

299,816

Sci-MW

Self-Supporting System Is the Basic Method of
Improving The Work of a Communications Enter-
prise, by L. D. Zil'berberg, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.

JPRS 37476

87

L. D. Zil'berberg

Sci - Electron
Sept 66

309,024

Yu. Ya. Zil'berg

Aluminum alloys in tractor construction. 183 pp.

ALYUMINIYEVYYE SPlAVY V TRAKTOROSTROYENII, 1971,

pp 1-151

AIR/FTD-HC-23-765-72

ACSI-K-3324

FSTC-HT-23-716-72 24 pp

Mar 73

Full Mechanization and Automation of
Painting Work, by V. I. Zil'berg, et al.
RUSSIAN, bk., Kompleksnaya Mekhanizatsiya
i Avtomatizatsiya Okrasochnykh Rabot,
1965, 148 pp.

MLL R. 39140

92

Sci-MGM
June 66

301,487

Methods of Improving Quality and Raising
Wages at Concrete Plants, by S. Zel'berg,
et al., 8 pp.
RUSSIAN, per, Stroitel'naya Gazeta, Moscow,
13 Feb 68, p. ?.
JUL 68 64, 905

102

Paul
Leinenweber
April 68

S. Zel'berg
MOS, 197

79

Investigation of Diffusion When Heating Titanium-
Clad Steel, by A. G. Zil'berman.
RUSIAN, per, Invest VUZ Chern Met., Vol 11, No 7,
1968, pp 108-112.
HB 7560

A. G. Zil'berman

Sci-Mat
Feb 69

374.500

Study of Diffusion During the Heating of
Titanium-Clad (Stainless) Steel, by
A. G. Zilberman,
RUSSIAH, per. Izv Vuz Chem Met, No 7, 1968,
pp 108-112.
*MS 7560

A.G. Zilberman
Sci/Mat
Nov 68

Amination of Poly(Vinyl Chloride) with
N,N'-Di-Alkylated Amides, by E. N. Zil'berman.
RUSSIAN, per, Vysokomolekul Soedin, Vol 8,
No 2, 1966, pp 256-260.
ATS RJ-4919

49

Sci-Mat
Feb 69

373,744

Investigation on Side Product Formations in
Hydrogenation of Adiponitrile, by
A. Ya. Lazaris, B. N. Zilberman.
RUSSIAN, per, Zhurnal Priklandnoi Khimii,
Vol 35, No 5, 1965, pp 1097-1101.
SUA 77-66-10640

E. N. Zilberman

Sci-Chem

JUL 66

305,529

An Electronic Integrator for Quantitative
Evaluation of the Effect of Pharmacological
Agents on the Motor Function of a Group of
Small Laboratory Animals, by N. Ye. Zil-
berman and I. P. Lepin, 5 pp.
RUSSIAN, per, Farmakologiya i Toksikologiya,
Vol XVIII, No 4, 1969, pp. 495-497.
JPRS 32822

64

N. Ye. Zilberman

USGR
Sci-B/M
Nov 65

202,181

A Carbon Arc and Discharge in a Hollow Cathode
as Light Sources for the Analysis of Micro-
Contents of Elements, by Kh. I. Zilbershteyn,
O. A. Nikitina.

RUSSIAN, per, Izvestiya AN SSSR, Sibirskoye
Otdeleniye Seriya Khimicheskikh Nauk, No 4,
1967, pp 87-90.

FTD-S-500

Apr 69.

379,943

"Constructive Criticism" of the New Government,
by Enrique Zileri Gibson, 10 pp.
SPANISH, rpt., Caretas, Lima, 17-27 Feb 1969,
pp 10, 11, 14.
JES 47788

42

LA-CFU
vol
Apr 69

379.331

C.E. SOME CHARACTERISTICS OF THE HIGH-TEMPERATURE
Trans. CREEP OF TWO-PHASE ALLOYS
5438 K.K. Ziling and A.I. Grankin
Izvestia VUZ, Fizika, No. 11, pp. 157-160
(1968)
(Materials Suppl. No. 24, abstract MS775)

Classification of Electromagnetic Wave Sources,
by S. I. Zilitinkevich, 10 pp.
RUSSIA, per, Izvestiya Vysokikh Uchebnykh
Zavedeniy. Fiziko-tekhnicheskikh, Vol. 10, No 10,
1967, pp 13-17.
JPRS 43874

74

S. I. Zilitinkevich

Sci/Elec & Elec Engr
Jan 68

348,201

S.S. Zilitinkovich

Numerical Modeling of the Circulation of the
Venerian Atmosphere by S. S. Zilitinkovich,
A. S. Nenin, 6 pp.
RUSSIAN, Sov. Kosmich. Akademiya Nauk SSSR, Moscow,
Vol 197, No 6, 1971, pp 1291-1294.

JPRS 53965

Sept 71

63

Turbulent Conditions in the Near-Surface
Layer of the Atmosphere, by S. S. Zilitinkevich,
D. I. Laikhtman.
RUSSIAN, per, Izvestiya Akademii Nauk SSSR,
Atmosfera i Okeanologicheskiye, Vol 1, No 2.
1965, pp 150-156.
American Geophysical Union

S. S. Zilitinkevich

Sci-E Sci
May 66

300,377

S. S. Zilitinkevich

Computer Simulation of the Circulation of the
Atmosphere of Venus, by S. S. Zilitinkevich.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 197,
No 6, Apr 1971, pp 1291-1294.
Am Inst of Phys
Vol 16, No 4, Oct 1971

Oct 71

Ablation of Some Heat-Resistant Polymers and
Their Application as Inhibitors of Ablative
Degradation, by L. Zilinskayte, et al.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.
Seriya A., Vol 11, No 6, 1969, pp 1214-1220.
FID HIT Special 6-70

L. Zilinskayte
feb 70

401,003

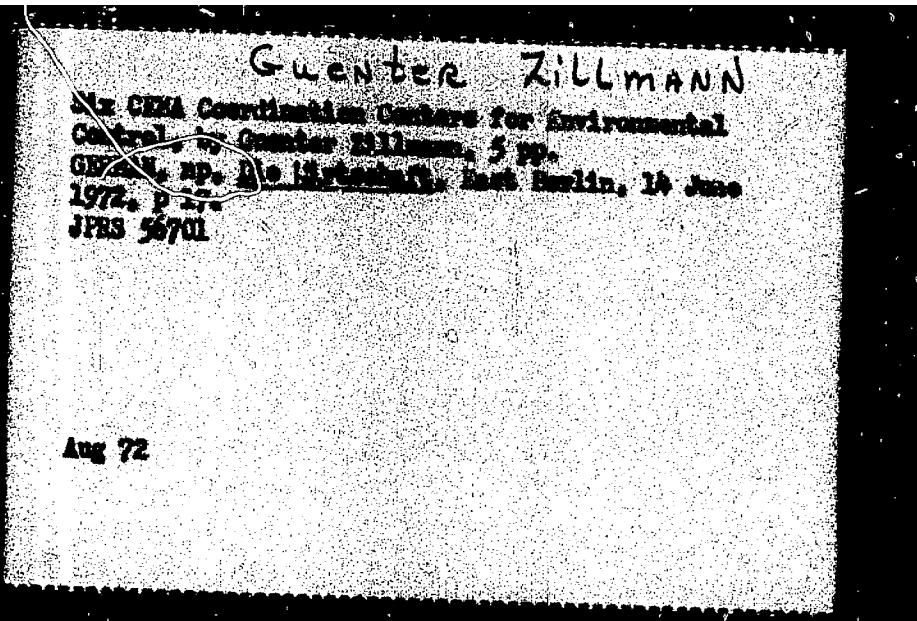
ZILL H

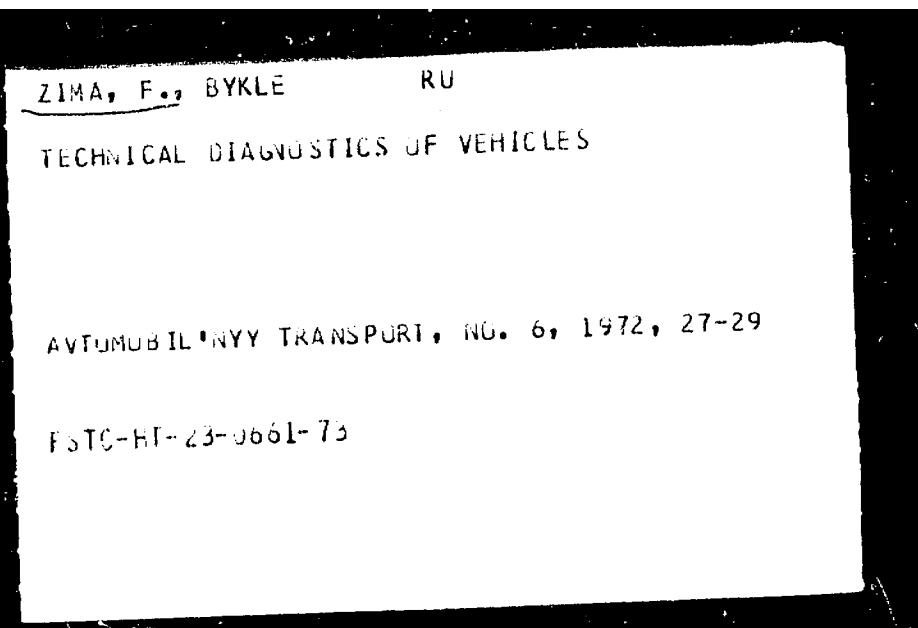
GE

METHOD OF OPERATION OF AMPLIDYNES - TANK TECHNOLOGY PART 2

MILITAER TECHNIK 1971 NO 12 VOL 11 PP 546-547

FSTC-HT-23-2561-72





Practical Possibilities in the Design and
Realization of Solid-state N-Channel Filters,
by J. Zima, I. Rejsek, 15 pp.
S.R.A., per. Mechrichtentechnik, no 3, 1965,
pp 323-327. #10013263
Zim-67-256

66

J. Zima

CIA-Rec
Jul 67

351,73

A Time Variable Band Pass With Pulse Control,
by Jiri Zima, Frantisek Bejsik.
CZECH, per, Slahoprovody Obzor, No 7, 1966,
MACSI I-3954
ID 2204050766

90

Jiri Zima

Sci-electronics

Oct 66

512,103

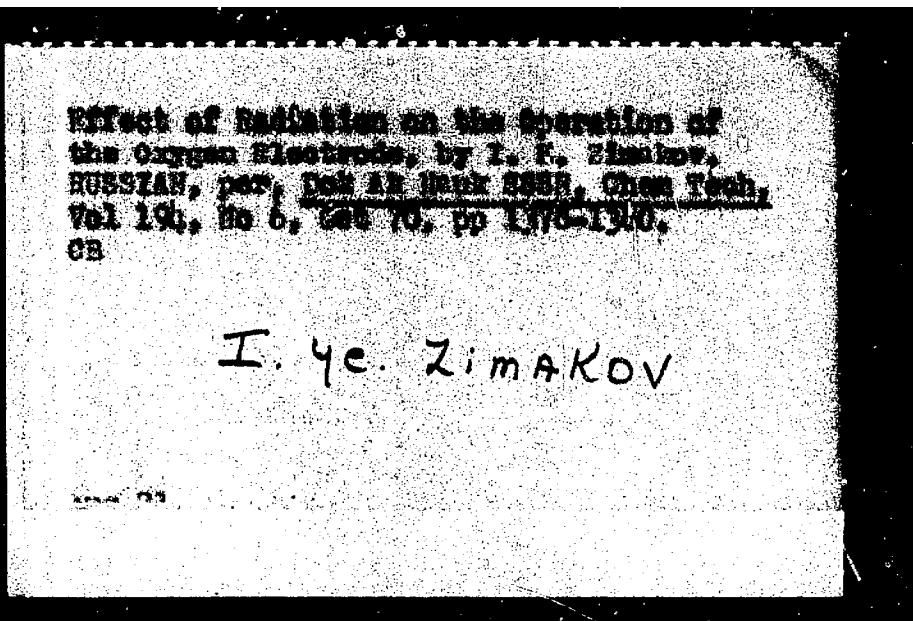
A Find of Tremadocian Graptolites in the
Kendyktas Suite (Kendyktas Range, Southern
Kazakhstan), by A. S. Bakirov, N. G. Lina,
V. G. Terekhov and P. P. Nisyus.
GUSSIAK, per. Dok. Ak. Nauk SSSR, Vol. 162, No. 6,
1968, pp. 1381-1382.

AGI

Zina M.B.

JUN 09

564,391



The Effects of Radiation From Thallium 204 and
Ruthenium 106 on Electrode Processes, by

I. Spitayn, I. Ye. Sizikov.

RUSSIAN, per, Dok At Bank SSSR, Vol 102, No 5,
Oct, 1968, pp 1134-1137.

CB

I. Ye. Sizikov

May 69

361,072

HENRYK Zimakowski

Use of the Mass Operation in the Technical Aircraft
Operation, by Henryk Zimakowski, 7 pp.

GOVERNMENT USE ONLY

POLISH, per, Aerial and Astronautical Engineering,
No 11, 1969.

ARM/FSTC/MT-23-674-71

Jan 72

Henryk Zimakowski

Application of the Bass Maintenance Theory
to the Technical Maintenance of Aircraft,

by Henryk Zimakowski, 7 pp.

POLISH, DŁ. Zastosowanie Teorii Basowej Obslugi
Do Technicznej Obslugi Samolotow, pp 25-28.

Nov 1969.

ACSI-J-9846

FSTC-IT-23-674-71

Aug 71

G. Zimanas

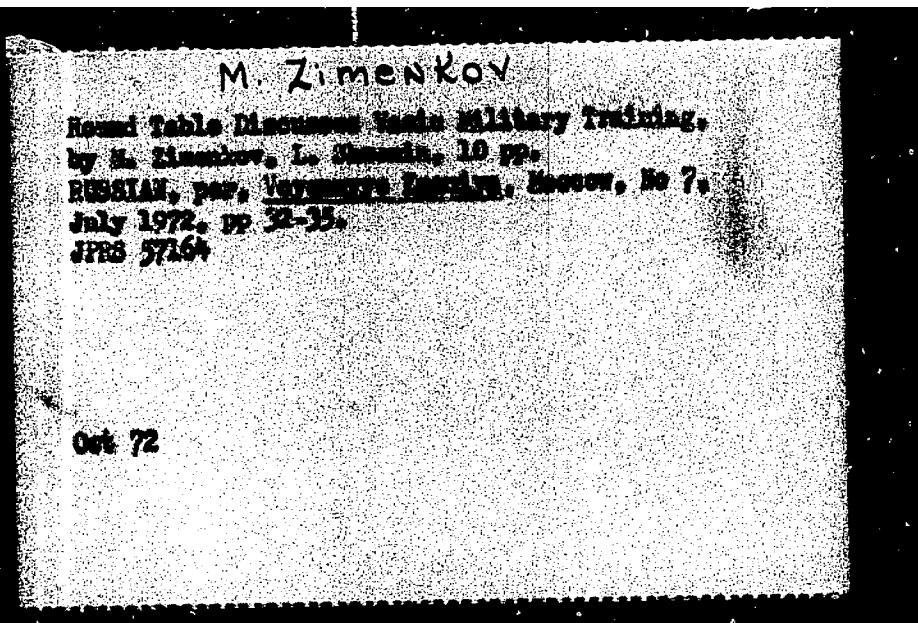
Article Refutes Oppression of Soviet Minority Nationalities, by G. Zimanas, 12 pp.
RUSSIAN, np, Sovetskaya Litva, Vilnius, 4 Nov
1971, pp 2-3.
JPRS 54579

Dec 71

The International and the National in the Life
of the Peoples, by G. Zinoviev, 13 pp.
RUSSIAN, per, Sovietologist, NO 6, Apr 1965,
pp. 58-60.
JPRS 30419

USSR
Pol
Jun 65

261,426



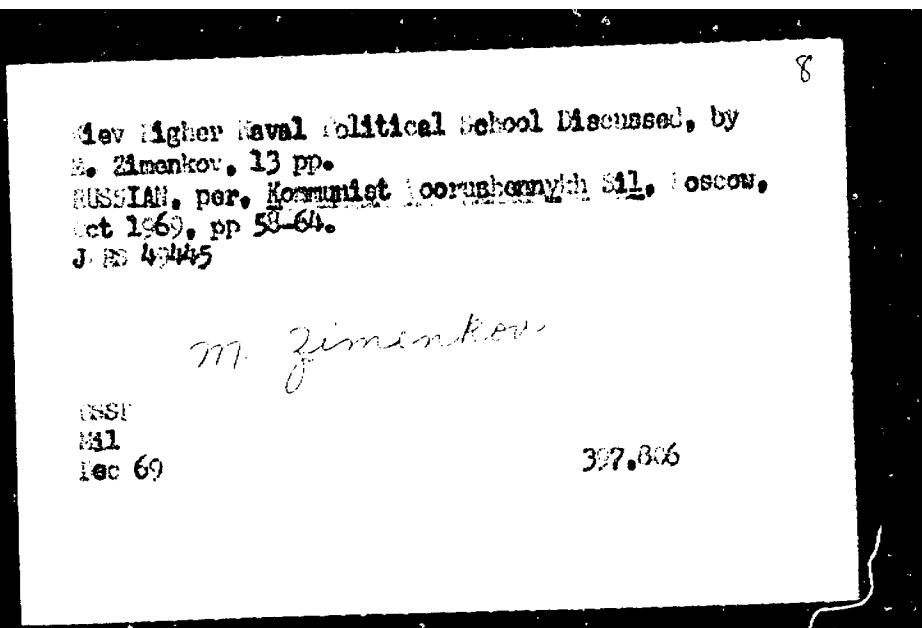
Activities at Military-Political School
Cited, by M. Zimenkov, 13 pp.
RUSSIAN, per, Kommunist Vooruzhennykh Sil,
No 4, Feb 1969, pp 43-49.
JPRS 47850

12

m. zimenkov

USSR
Mil
May 69

378,534



A New Method for Extrapolating the Fracture Time
of an Industrial Alloy, by S. Zimering.
FRECH, per, Rev. Met. Mat. Sci., Vol 62, Dec 1965,
pp 939-950.
KISI 5665

Sci/Mat
Mar 68

351,008

S ZIMERING

82
Says to Exploit Engineering Research Proposed,
by A. I. Zimin, 7 pp.
RUSSIAN, rpt., Inspechno-Sistemopovozhnaya
Proizvodstvo, Moscow, Feb 1969, pp 1-3.
JPRS 47995

Sci-Tech
June 69

A. I. Zimin
381,647

Practical Aerodynamics and Aircraft, by G. V. Zimin
221 pp.

RUSSIAN, bk, Prakticheskaya Aerodinamika I
Letatel'nyye Apparety, 1969, pp 1-327.
AIR/FID-HC-23-638-70

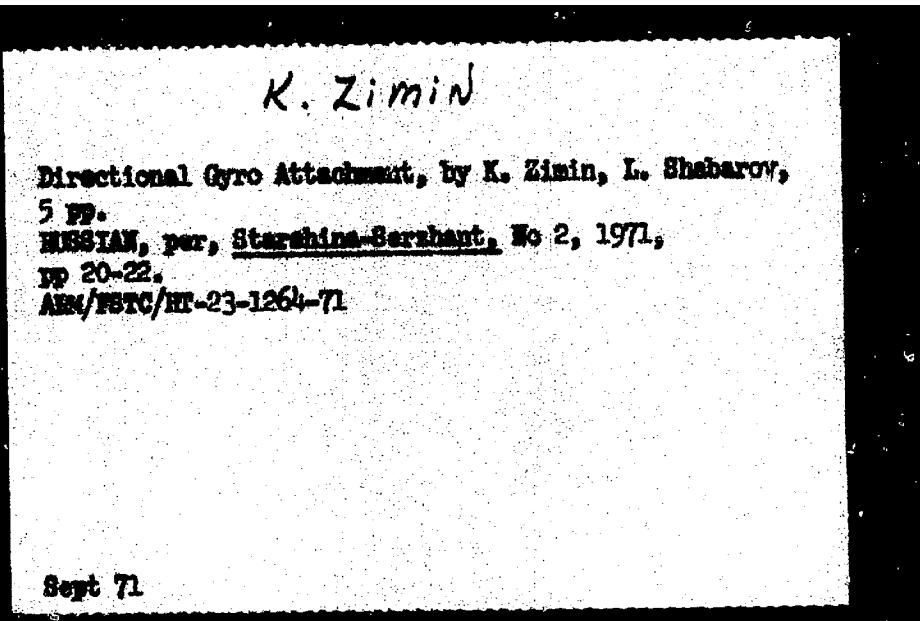
for G. V. Zimin
July 71

Programmed Training, by G. V. Minin, 9 pp.
ANSIAS, per, Vestnik Proletaryoznaniy
Obrazov, No 2, Feb 1965, p. 103.
JPRS 51302

7

SECRET
REF ID:
Supt 60

26,112



Mechanization of Installation Operations in
Industrial Construction, by P. A. Zimin, 14 pp.
RUSSIAN, per, Mekhanizatsiya Stroitel'stva, No.
4, Apr 1967, pp. 2-3.
JPRS 41413

7

P.A. Zimin

USSR
Econ
July 67

329,373

Determining Error in a System for Automatic
Calculation of Technical-Economic Character-
istics, by G. V. Golovanov, P. B. Zimin and
V. A. Troitskiy, 7 pp.
RIGSIAE, per, Mehanizatsiya i Avtomatizatsiya
prinyatelstva, No 4, Apr 1960, pp. 43-45.
JPS 3643

75

P. B. Zimin

WCB
Sci-Math/SP
Aug 66

307,116

A Study of the Effect of Oxygen in the Oxidative Dehydrogenation of Butanes to Butadiene on a Bismuth-Molybdenum Catalyst, by R. A. Zimin.
RUSSIAN, per, Neftakhimiya, Vol 6, No 3,
1966, pp 374-379.
AT&T-4789

38

R. A. Zimin

Sci
Dec 68

368,718

Contribution to a Reconstruction of the Upper
Mantle by Analysis of the Ophiolite Association,
by S. S. Zimin.
RUSSIAN, par, Dok Ak Nauk SSSR, Mar Sci,
Vol 189, No 2, 1969, pp 369-372.
AGI

S.S. Zimin

Jan 71

Slow Adoption of New Discoveries Criticized,
by V. Zimin, V. Tikhonov, 5 pp.
RUSSIAN, np, Pravda, 23 Jul 1968, p 3.
JPRS 46,316

11

V. ZIMIN

USSR
Pol
Sept 68

365,019

7

Alma-Ata Housing Construction Mismanagement
Scored, by V. Sivin and G. Ivanov, 3 pp.
RUSELIA, newspaper, Izvestia, Moscow,
5 April 68, p. 2.
JPRS 45,254

71. *[Signature]*
USSR
Economic
May 68

356,037

Economic Problems at Ust'-Kamenogorsk Lead
and Zinc Combine, by V. Zimin, 5 pp.
RUSSIAN, np, Trud, 30 Jun 1956, pp. 2.
JPRS 37536

11

V. ZIMIN

USSR
Econ
Sept 66

311,668

Metal savings in the Metal Consuming Industrial Branches, by V. N. Zimin and
S. I. Popov,
MOSCOW, per, Khronika Metallovedeniya, No. 4, 1906, pp. 95-135.
ACMI J-1791
ID 22040/86u7

97

V. N. Zimin

Sci-Tech, Inc. Inc.
8 Apr 87

3.1,465

Work on the History of the Military Art Published,
by Ya. Zimin, 10 pp.
RUSSIAN, per, Voyenn-Istoricheskiy Zhurnal.
No 1, Jan 1967, pp. 102-107.
JPRS 40097

102
YA. ZIMIN

USSR

MIL

Mar 67

319,506